

The Show-Me Standards

Appendix B

Introduction

Each of the performance indicators in the curriculum guide has been cross walked with *The Show-Me Standards* that were approved as a final regulation by the Missouri State Board of Education, January 18, 1996. These standards can be found online at <http://www.dese.mo.gov/standards/>. The coding system of the Show-Me Performance (Process) Standards used in the curriculum guide are:

1.1 = Goal 1, Standard 1, etc.

The coding system for the Show-Me Knowledge (Content) Standards is designated by a two-letter abbreviation associated with an area of study and the standard's number. Examples are:

CA 1 = Communication Arts, standard 1
 FA 1 = Fine Arts, standard 1
 HP 4 = Health/Physical Education, standard 4
 MA 2 = Mathematics, standard 2
 SC 5 = Science, standard 5
 SS 6 = Social Studies, standard 6

Goal 1

Students in Missouri public schools will acquire the knowledge and skills to gather, analyze, and apply information and ideas. Students will demonstrate within and integrate across all content areas the ability to

1. develop questions and ideas to initiate and refine research
2. conduct research to answer questions and evaluate information and ideas
3. design and conduct field and laboratory investigations to study nature and society
4. use technological tools and other resources to locate, select, and organize information
5. comprehend and evaluate written, visual, and oral presentations and works
6. discover and evaluate patterns and relationships in information, ideas, and structures
7. evaluate the accuracy of information and the reliability of its sources
8. organize data, information, and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
9. identify, analyze, and compare the institutions, traditions, and art forms of past and present societies
10. apply acquired information, ideas, and skills to different contexts as students, workers, citizens, and consumers

Goal 2

Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom. Students will demonstrate within and integrate across all content areas the ability to

1. plan and make written, oral, and visual presentations for a variety of purposes and audiences
2. review and revise communications to improve accuracy and clarity
3. exchange information, questions, and ideas while recognizing the perspectives of others
4. present perceptions and ideas regarding works of the arts, humanities, and sciences
5. perform or produce works in the fine and practical arts

Goal 3

6. apply communication techniques to the job search and to the workplace
7. use technological tools to exchange information and ideas

Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems. Students will demonstrate within and integrate across all content areas the ability to

1. identify problems and define their scope and elements
2. develop and apply strategies based on ways others have prevented or solved problems
3. develop and apply strategies based on one's own experience in preventing or solving problems
4. evaluate the processes used in recognizing and solving problems
5. reason inductively from a set of specific facts and deductively from general premises
6. examine problems and proposed solutions from multiple perspectives
7. evaluate the extent to which a strategy addresses the problem
8. assess costs, benefits, and other consequences of proposed solutions

Goal 4

Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society. Students will demonstrate within and integrate across all content areas the ability to

1. explain reasoning and identify information used to support decisions
2. understand and apply the rights and responsibilities of citizenship in Missouri and the United States
3. analyze the duties and responsibilities of individuals in societies
4. recognize and practice honesty and integrity in academic work and in the workplace
5. develop, monitor, and revise plans of action to meet deadlines and accomplish goals
6. identify tasks that require a coordinated effort and work with others to complete those tasks
7. identify and apply practices that preserve and enhance the safety and health of self and others
8. explore, prepare for, and seek educational and job opportunities

Communication Arts

In Communication Arts, students in Missouri public schools will acquire a solid foundation which includes knowledge of and proficiency in

1. speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
2. reading and evaluating fiction, poetry, and drama
3. reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)
4. writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)
5. comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)
6. participating in formal and informal presentations and discussions of issues and ideas
7. identifying and evaluating relationships between language and culture

**Health/
Physical
Education**

In Health/Physical Education, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. structures of, functions of, and relationships among human body systems
2. principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)
3. diseases and methods for prevention, treatment, and control
4. principles of movement and physical fitness
5. methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol, and other drug use)
6. consumer health issues (such as the effects of mass media and technologies on safety and health)
7. responses to emergency situations

Mathematics

In Mathematics, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. addition, subtraction, multiplication, and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
2. geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes
3. data analysis, probability, and statistics
4. patterns and relationships within and among functions and algebraic, geometric, and trigonometric concepts
5. mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)
6. discrete mathematics (such as graph theory, counting techniques, matrices)

Science

In Science, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. properties and principles of matter and energy
2. properties and principles of force and motion
3. characteristics and interactions of living organisms
4. changes in ecosystems and interactions of organisms with their environments
5. processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere, and hydrosphere
6. composition and structure of the universe and the motions of the objects within it
7. processes of scientific inquiry (such as formulating and testing hypotheses)
8. impact of science, technology, and human activity on resources and the environment

Social Studies

In Social Studies, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. principles expressed in the documents shaping constitutional democracy in the United States
2. continuity and change in the history of Missouri, the United States, and the world
3. principles and processes of governance systems
4. economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)

5. the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
6. relationships of the individual and groups to institutions and cultural traditions
7. the use of tools of social science inquiry (such as surveys, statistics, maps, documents)